
General information

The QPC918 High Speed Data Card (HSDC) provides an RS-232-C/V.35 interface between compatible asynchronous or synchronous Data Terminal Equipment (DTE) and the Meridian SL-1 switching network. The HSDC provides connectivity to the DTEs for intra-switch communications, as well as for wide area communications over Digital Trunk Interface (DTI) or Primary Rate Interface (PRI) links to other Northern Telecom equipment.

The HSDC capabilities are similar to the High Speed Data Module (HSDM) QMT21. Refer to *QMT21 High Speed Data Module description, installation, and operation* (553-2731-107) for further information. Each HSDC supports two data ports that operate independently of each other in synchronous and asynchronous modes. Each port provides call originating and answering capabilities. In the answering mode, the HSDC adapts to the originating Meridian SL-1 data module characteristics (speed and mode of transmission, for example). The HSDC is mounted in slots one through eight of a standard Multi-Channel Data System (MCDS) shelf.

The HSDC, like the HSDM, interfaces with the data port of the Four Port Data Line Card (DLC) QPC432.

The HSDC can also connect to a QPC311 DLC. However, the QPC311 is being replaced by the QPC432 Four Port DLC.

The Four Port DLC can be installed in slots one through ten in the following peripheral equipment (PE) modules or shelves: NT8D13 (PE module), QSD64, QSD65, QSD80, QSP35, and QSP36.

Purpose

The HSDC provides an interface to high-speed synchronous devices, such as front end processors, group IV facsimile equipment, or video conferencing ports. It also provides an interface to the Multi-Channel Data System (MCDS) and Meridian 1. In the synchronous mode, it supports data speeds up to 64,000 bits per second.

The HSDC works with the DTE only. The HSDC does not interface directly to modems or data communication equipment.

When the HSDC is used as an RS-232 interface unit, the HSDC can replace an Asynchronous/Synchronous Interface Module (ASIM) QMT11 or Asynchronous Interface Line Card (AIRC) QPC397. The HSDC meets the DTE/DCE interface requirements of the Electronics Industries Association (EIA) RS-232-C standard. The electrical characteristics of the interface to the Data Line Card (DLC) QPC311 or to the Four Port DLC QPC432 are the same as for the ASIM and AIRC.

Note: The HSDC V.35 interface conforms to the CCITT V.35 electrical standard and to the ISO 2110 mechanical standard. When the HSDC is used as a V.35 interface unit, an adapter cable is needed to convert the ISO 2110 (DB-25) into an ISO 2593 (34-pin rectangular connector).

Features

The following features are supported by the HSDC:

- RS-232-C/V.35 interface
- Up to 64 kbps in synchronous mode
- Hot Line
- Auto/Speed Dial
- Ring Again
- Remote Loopback
- Echo (automatically with keyboard dialing)
- Originate/Answer data calls
- Outbound Modem Pool Call

- Forced Digitone Receiver (DTR)
- Virtual Leased Line
- Keyboard dialing in asynchronous mode
- Self Diagnostics

Related documents

Refer to the following documents for complete information about the Meridian 1 data features:

- *Meridian Data Services description* (553-2731-100)
- *QPC723 RS-232 Interface Line Card description, installation, and operation* (553-2731-106)
- *QMT21 High Speed Data Module description, installation, and operation* (553-2731-107)
- *Meridian data features traffic engineering and configuration* (553-2731-151)
- *Meridian data features operation and tests* (553-2731-300)
- *High Speed Data Module user guide* (P0696749)